0983
PB 209 676

AIR POLLUTION REPORT

FEDERAL FACILITIES

METROPOLITAN CINCINNATI INTERSTATE

AIR QUALITY CONTROL REGION

ENVIRONMENTAL PROTECTION AGENCY

Air Pollution Control Office

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ADDENDUM TO THE PUBLICATION

"AIR POLLUTION REPORT ON FEDERAL FACILITIES IN THE METROPOLITAN CINCINNATI INTERSTATE AIR QUALITY CONTROL REGION", December, 1970.

This inventory was prepared consistent with the report entitled "Consultation on the Metropolitan Cincinnati Interstate Air Quality Control Region", January 1969, and the geographical designation of May 2, 1969. On March 31, 1971, in line with the concept of including the entire United States in these geographical units called Air Quality Control Regions, this Region was redesignated and its boundaries expanded by the Environmental Protection Agency. Hence, the data ~~presented herein~~ do not reflect Federal facility emissions data for the counties of: Carroll, Gallatin, Grant, Owen and Pendleton in Kentucky.

Federal Sources Branch
Division of Compliance
Environmental Protection Agency

November 2, 1971

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The status is presented of the Federal facilities within the Metropolitan Cincinnati Air Quality Control Region with regard to the implementation of the objectives prescribed by the Clean Air Act, as amended. Fuel usage, and refuse disposal practices of the facilities owned by the Federal Government are reported. This Region was subsequently redesignated and its boundaries expanded, hence, the data do not reflect Federal facility emissions data for the counties of: Carroll, Gallatin, Grant, Owen and Pendleton in Kentucky.

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Refuse Disposal
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Boilers
Abatement
Urban Areas
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Sulfur Oxides
Nitrogen Oxides
Carbon Monoxide
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AIR POLLUTION REPORT

FEDERAL FACILITIES

METROPOLITAN CINCINNATI INTERSTATE

AIR QUALITY CONTROL REGION

WAYNE A. BLACKARD

FEDERAL FACILITIES BRANCH
DIVISION OF ABATEMENT
AIR POLLUTION CONTROL OFFICE
ROCKVILLE, MARYLAND

December 1970

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NARRATIVE

This report presents the current status of the Federal facilities within the Metropolitan Cincinnati Air Quality Control Region with regard to the implementation of the objectives prescribed by the Clean Air Act, as amended. The data in this report is the most recently available and reflects the current fuel usage, and refuse disposal practices of the facilities owned by the Federal Government.

I. BOUNDARIES OF THE AIR QUALITY CONTROL REGION

On May 2, 1969, the Metropolitan Cincinnati Interstate Air Quality Control Region was designated pursuant to section 107(a) of the Clean Air Act, as amended. The Region encompasses portions of three states (Figure 1) and lies within the county boundaries of: Butler, Clermont, Hamilton, and Warren in the State of Ohio; Boone, Campbell, and Kenton in the State of Indiana; and Dearborn and Ohio in the State of Kentucky. A map of the Region is presented in Figure 2.

II. NUMBER OF FEDERAL FACILITIES

There are 75 Federal installations within the Region and of these 31 are involved in burning either fossil fuels or refuse. Table I is a listing of these facilities and the quantities of fuel and refuse burned by each. Table II is a summary of the total annual fuel usage for the respective States and Counties within the Region.

III. FEDERAL CONTRIBUTIONS TO AIR POLLUTION

The Federal facilities within the Metropolitan Cincinnati Air Quality Control Region emit annually a total of 2700 tons of sulfur oxides (SO_x), 2400 tons of particulates (PART), 1400 tons of nitrogen oxides (NO_x), 360 tons of hydrocarbons (HC), and 300 tons of carbon monoxide (CO).

There were no identifiable contributions of aircraft emissions from Federal facilities within this Region. Data from mobile sources other than aircraft were not available at the time of this report and will be covered in a subsequent report of air pollution emissions from mobile sources.

Table IV lists the Federal sources which emit more than 100 tons per year (Point Sources) of any one pollutant. There are two point sources in this Region - Air Force Plant 36 in Evendale, Ohio and the AEC Feed Materials Production Center in Fernald, Ohio.

Four installations in the Region, as listed in Table V, have coal-fired boilers in violation of the particulate emissions limitations as per Federal regulation: Title 42, Part 76.4, Sections (7) and (8).

IV REMEDIAL ABATEMENT MEASURES PROPOSED

Seven Federal facilities, listed in Table VI, reported air pollution problems and/or proposed remedial measures in their 1967-1972 five year abatement plans. These actions and the expected reductions in the air pollution emissions produced by these facilities when all of the abatement plans have been put into effect are presented by Table VII.

FIGURE 1

LOCATION MAP

METROPOLITAN CINCINNATI INTERSTATE

AIR QUALITY CONTROL REGION

FIGURE 2

METROPOLITAN CINCINNATI INTERSTATE

AIR QUALITY CONTROL REGION

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
INDIANA DEARBORN AURORA							
POST OFFICE 501 THIRD ST	0	0	588	0	0	0	REFUSE COLLECTED
INDIANA DEARBORN LAWRENCEBURG							
POST OFFICE SHORT ST	0	0	1010	0	0	0	REFUSE COLLECTED
INDIANA DEARBORN NO CITY ID							
US ARMY NIKE SITE 63	0	0	0	31650	0	0	NO CITY ID
INDIANA OHIO							
	0	0	0	0	0	0	NO INSTLS IN THIS COUNTY

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
KENTUCKY BOONE BURLINGTON							
FAA VTAC 12640	0	0	0	0	0	0	RANGE/DIRECT AID
KENTUCKY BOONE FLORENCE							
FAA LOC 12641	0	0	0	0	0	0	HORIZONTAL NAV AID
FAA GS 12642	0	0	0	0	0	0	VERTICAL NAV AID
FAA ASR 12643	0	0	0	0	0	0	AIRPORT RADAR
FAA RTR 12644	0	0	0	0	0	0	TRANSMITTER/ RECEIVER
FAA ALSF 12699	0	0	0	0	0	0	APPROACH LIGHT SYSTEM

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
FAA MM 12819	0	0	0	0	0	0	MIDDLE MARKER
FAA GS 12822	0	0	0	0	0	0	VERTICAL NAV AID
FAA OM 12823	0	0	0	0	0	0	OUTER MARKER
FAA LOC 12824	0	0	0	0	0	0	HORIZONTAL NAV AID
FAA MM 12825	0	0	0	0	0	0	MIDDLE MARKER
KENTUCKY BOONE NO CITY ID							
CIN REP STA LOCK & DAM	0	0	0	0	0	0	DEACTIVATED

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
KENTUCKY CAMPBELL FT THOMAS							
FT KNOX ARC BROOKS-LAWLR	0	0	1824	0	0	192	REFUSE COLLECTED
VA HOSPITAL	0	0	50834	0	0	0	OIL STANDBY REF COLL
ORD RADIO FACILITY	0	0	0	0	0	0	ELECTRIC HEAT
KENTUCKY CAMPBELL NEWPORT							
POST OFFICE THOMAS ST	0	0	667	0	0	0	REFUSE COLLECTED
KENTUCKY KENTON COVINGTON							
NAVY-RESERVE TRAINING CTR	0	0	0	0	0	0	DEACTIVATED DEC 69

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
POST OFFICE 700 SCOTT ST	0	0	4008	0	0	0	REFUSE COLLECTED
IRS COMPUTER CENTER	0	0	51720	0	0	0	REFUSE COLLECTED
KENTUCKY KENTON ERLANGER							
FAA ALSF 12698	0	0	0	0	0	0	APPROACH LIGHT SYSTEM
OHIO BUTLER BETHANY							
RADIO SITE FACILITY	0	0	0	0	0	0	LAND SITE
USIA RADIO STATION WLWO	0	0	0	10000	0	0	REFUSE COLLECTED
OHIO BUTLER HAMILTON							
POST OFFICE COURT ST	0	0	0	0	0	94	REFUSE COLLECTED

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
OHIO BUTLER OXFORD							
POST OFFICE 118 W HIGH	0	0	0	0	0	28	REFUSE COLLECTED
OHIO BUTLER NO CITY ID							
US ARMY NIKE SITE 78	0	0	0	37825	0	0	NO CITY ID
OHIO CLERMONT AMELIA							
FAA RCAG 12667	0	0	0	0	0	0	VHF RADIO EQUIPMENT
OHIO CLERMONT BATAVIA							
EAST FORK RESERVOIR	0	0	0	0	0	0	UNDER CONSTRUCTION

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
OHIO CLERMONT LOVELAND							
FAA FM 12668	0	0	0	0	0	0	RADIO MARKER BEACON
OHIO CLERMONT NO CITY ID							
US ARMY NIKE SITE 46	0	0	0	34200	0	0	NO CITY ID
OHIO HAMILTON BLUE ASH							
BLUE ASH AIR NAT GUARD ST	0	0	73014	0	0	0	REFUSE COLLECTED
OHIO HAMILTON CINCINNATI							
NAVY RESERVE TRAINING CTR	0	0	0	0	0	423	REFUSE COLLECTED

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
RIDGEWOOD WEAPONS PLT	0	0	0	0	0	0	INACTIVE STANDBY ONLY
ARMY RESERVE CENTER	0	0	3395	0	0	0	NO REFUSE PROBLEMS
RIDGEWOOD ARMY ORD	0	0	0	0	0	0	NO PROBLEM
SLT MIRROR PLANT 1	0	0	0	0	0	0	NO PROBLEM
ARMY RESERVE CENTER 02	0	0	3757	0	0	0	NO REFUSE PROBLEM
AF STATION CINCINNATI	0	0	0	0	0	0	NO PROBLEM
TAFT WATER RESEARCH CTR	0	0	26334	0	0	0	REFUSE COLLECTED

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
WATER QUALTY NET FAC	0	0	0	0	0	0	LUNKIN AIRPT PUMPING STAT
TOXICOLOGY FISH LAB	0	0	0	0	0	0	NO PROBLEM
ADVAN WATER TREAT FAC	0	0	0	0	0	0	NO PROBLEM
POST OFFICE LIBERTY ST	0	0	21514	0	0	0	REFUSE COLLECTED
VA HOSPITAL	0	100	118938	0	0	0	REF COLL OIL STANDBY
POST OFFICE COURTHOUSE	0	0	93666	0	0	0	REFUSE COLLECTED
FEDERAL BUILDING	0	0	0	0	0	0	PURCHASE STEAM

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
FAA LOC 12662	0	0	0	0	0	0	HORIZONTAL NAV AID
FAA GS 12663	0	0	0	0	0	0	VERTICAL NAV AID
FAA MM 12664	0	0	0	0	0	0	MIDDLE MARKER
FAA OM 12665	0	0	0	0	0	0	OUTER MARKER
FAA SRA 12739	0	0	0	0	0	0	NAVIGATIONAL AID
FAA OM 12820	0	0	0	0	0	0	OUTER MARKER
AIR POLL RES TUSCULUM AVE	0	0	6395	0	0	0	REFUSE COLLECTED

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
SW RESEARCH CENTER HILL	0	0	1731	0	0	0	REFUSE COLLECTED
FLOOD STAB TEST AREA	0	0	0	0	0	0	NO HEAT
WEST FORK RESERVOIR	0	0	0	1460	0	0	NO REFUSE
FERNBANK STATION	0	0	0	0	0	0	DEACTIVATED
MARKLAND LOCK & DAM	0	0	0	8100	0	0	
OHIO RIVER CIV LAB	0	7	4000	0	0	0	FUEL EST
OHIO							
HAMILTON							
EVENDALE							
AIR FORCE PLANT 36	0	170	0	200001	0	80000	

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
OHIO HAMILTON FERNALD							
AEC FEED MAT PROD CENTER	0	6570	0	0	0	33000	OAK RIDGE OPER OFFICE
OHIO HAMILTON INDIAN HILL							
FAA RTR 12666	0	0	0	0	0	0	TRANSMITTER/ RECEIVER
OHIO HAMILTON MONTGOMERY							
FAA H 12678	0	0	0	0	0	0	HOMING BEACON
OHIO HAMILTON SHARONVILLE							
GSA DEPOT	0	0	0	0	0	0	ELECTRIC HEAT

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
OHIO WARREN FRANKLIN							
POST OFFICE 345 S MAIN	0	0	700	0	0	0	REFUSE COLLECTED
FAA RMLR 12763	0	0	0	0	0	0	RADAR MICRO-WAVE LINK
OHIO WARREN KINGS MILLS							
CINCINNATI MAINT SHOP	0	0	0	37956	0	0	REFUSE COLLECTED
OHIO WARREN LEBANON							
POST OFFICE 121 S BROAD	0	0	842	0	0	0	REFUSE COLLECTED
OHIO WARREN SPRINGBORO							
C J BROWN RESERVOIR	0	0	0	1620	0	0	

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
OHIO							
WARREN							
NO CITY ID							
CAESAR CREEK RESERVOIR	0	0	0	0	0	0	IN DESIGN
ALUM CREEK RESERVOIR	0	0	0	0	0	0	UNDER CONSTRUCTION

TABLE II

ANNUAL FUEL USE BY FEDERAL FACILITIES

	COAL (TONS)	RESID OIL (GAL)	DIST OIL (GAL)	GAS (MCF)
INDIANA				
DEARBORN	0	0	31650	1598
OHIO	0	0	0	0
KENTUCKY				
BOONE	0	0	0	0
CAMPBELL	192	0	0	53325
KENTON	0	0	0	55728
OHIO				
BUTLER	122	0	47825	0
CLERMONT	0	0	34200	0
HAMILTON	113423	0	209561	352744
WARREN	0	0	39576	1542
TOTAL	113737	0	362812	464937

TABLE III

FEDERAL CONTRIBUTION TO AIR POLLUTION
(TONS/YEAR)

	SOX	NOX	CO	PART	HC
INDIANA					
DEARBORN	1	0	0	0	0
OHIO	0	0	0	0	0
STATE TOTAL	0	0	0	0	0
KENTUCKY					
BOONE	0	0	0	0	0
CAMPBELL	3	4	5	3	1
KENTON	0	3	0	1	0
STATE TOTAL	3	6	4	2	0
OHIO					
BUTLER	4	1	3	1	1
CLERMONT	1	0	0	0	0
HAMILTON	2700	1400	290	2400	360
WARREN	1	0	0	0	0
STATE TOTAL	2700	1400	290	2400	360
AREA TOTAL	2700	1400	300	2400	360

NOTE: (1) EMISSIONS REPORTED IN SIGNIFICANT FIGURES
(2) EMISSIONS LESS THAN 0.5 TONS/YR REPORTED AS ZERO

TABLE IV

FEDERAL POINT SOURCES
(TONS/YEAR)

	SOX	NOX	CO	PART	HC
OHIO					
HAMILTON					
AIR FORCE PLANT 36	2100	1000	270	2100	350
AEC FEED MAT PROD CENTER	630	330	13	300	4

NOTE: (1) A POINT SOURCE IS AN INSTALLATION WHICH EMITS OVER 100 TONS/YEAR OF ONE OR MORE OF THE FIVE POLLUTANTS
(2) EMISSIONS REPORTED IN SIGNIFICANT FIGURES

TABLE V

COAL-FIRED BOILERS IN VIOLATION OF 42 CFR 76.4

INSTALLATION NAME	BOILER SIZE (MMBTU/HR)	NUMBER OF BOILERS	COAL USED (TONS/YEAR)	PART. (LBS/MMBTU) EMITTED	PART. (LBS/MMBTU) ALLOWED	PART. EMITTED TONS/YR/BOILER
FT KNOX ARC BROOKS-LAWLR	1.6	1	115	0.92	0.60	1.4
FT KNOX ARC BROOKS-LAWLR	0.8	1	77	0.92	0.60	0.9
NAVY RESERVE TRAINING CTR	4.0	1	423	1.94	0.60	11.3
AIR FORCE PLANT 36	100.0	2	1000	1.89	0.41	25.5
AIR FORCE PLANT 36	180.0	3	26000	1.89	0.37	663.0
AEC FEED MAT PROD CENTER	102.0	4	8250	0.70	0.41	74.2

TABLE VI

ABATEMENT PROGRAM FOR FEDERAL PROBLEM AREAS

IN THE

METROPOLITAN CINCINNATI INTERSTATE

AIR QUALITY CONTROL REGION

A. Statement of problem
B. Abatement measures proposed in five year plan*
C. Abatement measures accomplished or in progress

KENTUCKY

CAMPBELL COUNTY

FT. THOMAS

USARC Ft. Knox (Brooks-Lawler)

A. two coal-fired heating units
B. proposed conversion of coal units to oil
C. conversion proposals of 1969 not completed

VA Hospital (Ft. Thomas)

A. coal-fired boilers
B. conversion of coal-fired boilers to gas
C. gas conversion completed

OHIO

BUTLER COUNTY

HAMILTON

Post Office (Court and Front Street)

A. coal-fired heating units
B. scheduled conversion to gas in 1971
C. conversion underway

OHIO (Continued)

HAMILTON COUNTY

CINCINNATI

Ridgewood Army Weapons Plant (Standby Status)

A. coal-fired boilers
B. proposed installation of electrostatic precipitators
C. plant inactive - project discontinued

Post Office and Courthouse

A. burning of refuse in a single chamber incinerator
B. scheduled conversion to municipal collection
C. refuse now collected

Naval Reserve Training Center

A. coal-fired boilers
B. fuel conversion
C. proposed

EVENDALE

Air Force Plant 36

A. (1) coal-fired boilers in violation of Federal regulations
(2) industrial process emissions
B. no proposed abatement measures
C. no proposed abatement measures

FERNALD

Oak Ridge Feed Material Production Center

A. (1) four coal-fired boilers
B. proposed installation of stack sampling facilities, smoke density recorders and electrostatic precipitators
C. smoke density recorders and stack sampling facilities installed. Conversion of coal boilers to natural gas is now proposed in lieu of 1967 proposals to install electrostatic precipitators.

A. (2) burning of refuse in a single chamber incinerator and an open burning area
B. proposed construction of a special purpose incinerator and a sanitary landfill
C. in lieu of previous proposals for a special purpose incinerator it is now planned to upgrade the existing incinerators. Proposed sanitary landfill is in operation.

*1967-72 plan per Executive Order 11282, superseded by Executive Order 11507

TABLE VII

POLLUTANT REDUCTION GOALS
(TONS/YEAR)

	SOX	NOX	CO	PART	HC
INDIANA					
DEARBORN	---	---	--	---	--
OHIO	---	---	--	---	--
STATE TOTAL	---	---	--	---	--
KENTUCKY					
BOONE	---	---	--	---	--
CAMPBELL	neg	1	5	2	1
KENTON	---	---	--	---	--
STATE TOTAL	neg	1	5	2	1
OHIO					
BUTLER	2	neg	2	1	neg
CLERMONT	---	---	--	---	--
HAMILTON	627	164	13	292	4
WARREN	---	---	--	---	--
STATE TOTAL	629	164	15	293	4
AREA TOTAL	629	165	20	295	5

NOTE: THESE REDUCTIONS WILL RESULT FROM ABATEMENT MEASURES PROPOSED, BUT NOT YET ACCOMPLISHED, IN THE FIVE-YEAR PLAN.

REFERENCES AND NOTES

1. Duprey, R.L., Compilation of Air Pollutant Emission Factors, Public Health Service Publication No. 999-AP-42, 1968.

   All calculated emissions are based on these factors.

2. Report for Consultation on the Metropolitan Cincinnati Interstate Air Quality Control Region, Public Health Service, January 1969.

   Data on emissions from all sources used to calculate percent government contribution were obtained from this report.

3. Clean Air Act, as amended (42 U.S.C. 1857 - 1857L) Sec 107, Sec 111. November 21, 1967.

4. Executive Order 11507, Prevention, Control, and Abatement of Air and Water Pollution at Federal Facilities, February 4, 1970.

5. Title 42 - Public Health, Chapter I, Subchapter F, Part 76, June 2, 1966.

6. Bureau of the Budget Circular A-76, August 6, 1966.

7. 1970 GSA Listing of Real Property owned by the Federal Government.